EDWARDS & ANGELL, LLP P. O. Box 9169 Bostons Massachusetts 02209

JAN 0 8 2004

DECLARATION AND POWER OF ATTORNEY

as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed at 201) below or an original, first and joint inventor (if plural names are listed at 201-208 below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

System and Method for Obtaining and Maintaining High-Resistance Seals in Patch Clamp Recordings, which is described and claimed in:

[]	the specification attached hereto.
[X]	the specification in U.S. Application Serial Number 10/645,834 filed on August 20, 2003.
[] filed on	the specification in PCT international application Number,; and was amended on

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign/PCT App	Prior Foreign/PCT Applications and Any Priority Claims Under 35 U.S.C. §119:					
Application No.	Filing Date	Country	Priority Claimed Under 35 U.S.C. §119?			
			[]YES[]NO			
			[]YES [] NO			
			[]YES[]NO			

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

	U.S. Applica	tions	Sta	Status (Check One)		
Application	Serial No.	U.S. Filing Date	Patented	Pending	Abandoned	
		,				
PCT A	pplications Desig	nating the U.S.				
Application No.	Filing Date	U.S. Serial No. Assigned				
		· ···				

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) (35 U.S.C. §119(e))

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

Applicant	Provisional Application Number	Filing Date	
Owe Owar et al.	60/404,886	August 21, 2002	

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) with full powers of association, substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

David G. Conlin	(Reg. No. 27,026)	Christine C. O'Day	(Reg. No. 38,256)	Peter J. Manso	(Reg. No. 32,264)
George W. Neuner	(Reg. No. 26,964)	Lisa Swiszcz Hazzard	(Reg. No. 44,368)	Dianne M. Rees	(Reg. No. 45,281)
Linda M. Buckley	(Reg. No. 31,003)	David A. Tucker	(Reg. No. 27,840)	John J. Penny, Jr.	(Reg. No. 36,984)
Peter F. Corless Peter J. Manus Cara Z. Lowen	(Reg. No. 33,860) (Reg. No. 26,766) (Reg. No. 38,227)	George W. Hartnell, III John B. Alexander Steven M. Jensen	(Reg. No. 42,639) (Reg. No. 48,399) (Reg. No. 42,693)	Howard M. Gitten J. Mark Konieczny Jennifer K. Rosenfield	(Reg. No. 32,138) (Reg. No. 47,715) (Reg. No. 53,531)
William J. Daley, Jr	(Reg. No. 35,487)	Kathryn A. Piffat	(Reg. No. 34,901)	Gregory B. Butler	(Reg. No. 34,558)
Robert L. Buchanan	(Reg. No. 40,927)	Richard J. Roos	(Reg. No. 45,053)	Barry Kramer	(Reg. No. 20,622)
Scott D. Wofsy Richard H. Newman	(Reg. No. 35,413) (Reg. No. 41,222)	Daniel F. Coughlin David J. Silvia	(Reg. No. 36,111) (Reg. No. 49,036)	George N. Chaclas	(Reg. No. 46,608)

SEND CORRESPONDENCE TO:	DIRECT TELEPHONE CALLS TO:
Dianne M. Rees, Ph.D. Edwards & Angell, LLP P. O. Box 9169 Boston, Massachusetts 02209	Dianne M. Rees, Ph.D. (617)951-3351

2	FULL NAME OF	LAST NAME	FIRST NAME	MIDDLE NAME
0	INVENTOR	Karlsson	Mattias	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
		Göteborg	Sweden	Sweden
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	СІТУ	STATE OR COUNTRY AND ZIP CODE
	TIDDICES!	Kaptensgatan 25, 41458	Göteborg	Sweden
	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
		Orwar	Owe	
2	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
2		Hovås	Sweden	Sweden
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE
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	FULL NAME OF INVENTOR		FIRST NAME	MIDDLE NAME
	DESIGNATE A	Chiu	Daniel	T.
2 0	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
3	DOCT OFFICE	Seattle	WA	Canada
-	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE
		7009 40 th NE	Seattle	WA 98115
	FULL NAME OF INVENTOR		FIRST NAME	MIDDLE NAME
	RESIDENCE &	Sinclair	Jon STATE OR FOREIGN COUNTRY	COLDITAN OF CHALLES
2	CITIZENSHIP			COUNTRY OF CITIZENSHIP
4	POST OFFICE	Göteborg POST OFFICE ADDRESS	Sweden	Sweden STATE OR COUNTRY AND ZIP CODE
4	ADDRESS	Ånäsvägen 37 H, 41669	Göteborg	Sweden
2	FULL NAME OF	1 -	FIRST NAME	MIDDLE NAME
0 5	INVENTOR	Jardemark	Kent	
	RESIDENCE &	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	CITIZENSHIP	Goteborg	SWEDEN	SWEDEN
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE
	1.001.000	Fabriksgatan 7, 412 50	Goteborg	SWEDEN
2	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
6		Olofsson	Jessica	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
		Goteborg	SWEDEN	SWEDEN
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE
		Kommendorsgatan 19E, 414	Goteborg	SWEDEN
2		LAST NAME	FIRST NAME	MIDDLE NAME
7	INVENTOR	Pihl	Johan	
	RESIDENCE &	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	CITIZENSHIP	Goteborg	SWEDEN	SWEDEN
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	СІТУ	STATE OR COUNTRY AND ZIP CODE
		Siriusgatan 82, 415 22	Goteborg	SWEDEN

	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	Farre		Cecilia	
2	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
8		Vastra Frolulnda	SWEDEN	SWEDEN
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE
	ADD.000	11 Svangrumgartan	Vastra Frolulnda	SWEDEN 42135
	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
2 0 9	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	СІТУ	STATE OR COUNTRY AND ZIP CODE
ī	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
2	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature of Inventor 201	Signature of Inventor 202
Date:	Date: 2003-12-12
Signature of Inventor 203	Signature of Inventor 204
Date:	Date: 2003_12_10
Signature of Inventor 205	Signature of Inventor 206
Date: 2005-12-16	Daye: 2003_12 10
Signature of Inventor 207	Signature of Inventor 208
Date: 2003_ 12-10	Date: 2003-12-10

Boston, Massachusetts 02209

DECLARATION AND POWER OF ATTORNEY

as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below next to my name. I believe I am the original names are listed at 201-208 below) of the subject As a below named inventor, I hereby declare that: My residence, post office address and citizenship are at 201) below or an original, first and joint inventor (if plural names are listed at 201-208 below) of the subject

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Application No.	Filing Date	Country	Priority Claimed Under 35 U.S.C. §119?			
			[]YES[]NO			
			[]YES [] NO			
			[]YES[]NO			

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	U.S. Applica	tions	Sta	Status (Check One)		
Application	Serial No.	U.S. Filing Date	Patented	Pending	Abandoned	
		·				
		,				
PCT A	pplications Desig	nating the U.S.				
Application No.	Filing Date	U.S. Serial No. Assigned				
		•				

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Linda M. Buckley	(Reg. No. 31,003)	David A. Tucker	(Reg. No. 27,840)	John J. Penny, Jr.	(Reg. No. 36,984)
Peter F. Corless	(Reg. No. 33,860)	George W. Hartnell, III	(Reg. No. 42,639)	Howard M. Gitten	(Reg. No. 32,138)
Peter J. Manus	(Reg. No. 26,766)	John B. Alexander	(Reg. No. 48,399)	J. Mark Konieczny	(Reg. No. 47,715)
Cara Z. Lowen	(Reg. No. 38,227)	Steven M. Jensen	(Reg. No. 42,693)	Jennifer K. Rosenfield	(Reg. No. 53,531)
William J. Daley, Jr	(Reg. No. 35,487)	Kathryn A. Piffat	(Reg. No. 34,901)	Gregory B. Butler	(Reg. No. 34,558)
Robert L. Buchanan	(Reg. No. 40,927)	Richard J. Roos	(Reg. No. 45,053)	Barry Kramer	(Reg. No. 20,622)
Scott D. Wofsy	(Reg. No. 35,413)	Daniel F. Coughlin	(Reg. No. 36,111)	George N. Chaclas	(Reg. No. 46,608)
Richard H. Newman	(Reg. No. 41,222)	David J. Silvia	(Reg. No. 49,036)		

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12	FULL NAME OF	LIASTNAME	FIRST NAME	MIDDLE NAME
0	INVENTOR			MIDDELIVANE
		Karlsson	Mattias	
	RESIDENCE & CITIZENSHIP	СІТҮ .	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
		Göteborg	Sweden	Sweden
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE
		Kaptensgatan 25, 41458	Göteborg	Sweden
	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	INVENTOR	Orwar	Owe	•
2 0 2	RESIDENCE &	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	CITELLISIE	Hovås	Sweden	Sweden
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE
	1.25.000	Askims kyrkväg 6, 431 56	Hovås	Sweden
	FULL NAME OF INVENTOR		FIRST NAME	MIDDLE NAME
	INVENTOR	Chiu	Daniel	T.
2	RESIDENCE &	СІТУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
0	CITIZENSHIP	Seattle	$ _{\mathbf{W}\mathbf{A}}$	Canada
	POST OFFICE	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE
	ADDRESS	7009 40 th NE	Seattle	WA 98115
	FULL NAME OF		FIRST NAME	MIDDLE NAME
	INVENTOR			MIDDLE IVANE
	RESIDENCE &	Sinclair	Jon STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
0	CITIZENSHIP			
4	POST OFFICE	Göteborg POST OFFICE ADDRESS	Sweden	Sweden STATE OR COUNTRY AND ZIP CODE
	ADDRESS			
2	FULL NAME OF	Ånäsvägen 37 H, 41669	Göteborg FIRST NAME	Sweden MIDDLE NAME
0 5	INVENTOR			
	RESIDENCE &	Jardemark	Kent STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	CITIZENSHIP	Cotchena	CAMEDEN	SWEDEN
	POST OFFICE	Goteborg POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE
	ADDRESS	Febriksgoton 7 412 50	Cotoborg	CWEDEN
2		Fabriksgatan 7, 412 50	Goteborg FIRST NAME	SWEDEN MIDDLE NAME
0 6	INVENTOR	Olofsson	Jessica	
	RESIDENCE &	CITY	Jessica STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	CITIZENSHIP			
	DOCT OFFICE	Goteborg POST OFFICE ADDRESS	SWEDEN	SWEDEN
	POST OFFICE ADDRESS		CITY	STATE OR COUNTRY AND ZIP CODE
		Kommendorsgatan 19E, 414	Goteborg	SWEDEN
		59		
0	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
'		Pihl	Johan	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
		Goteborg	SWEDEN	SWEDEN
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	СІТҮ	STATE OR COUNTRY AND ZIP CODE
		Siriusgatan 82, 415 22	Goteborg	SWEDEN
			<u></u>	

Page 4

				1 age 4
	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
2 0 8		Farre	Cecilia	
	RESIDENCE & CITIZENSHIP	СІТУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
°		Vastra Frolulnda	SWEDEN	SWEDEN
7	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE
		11 Svangrumgartan	Vastra Frolulnda	SWEDEN 42135
	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
2 0 9	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	СІТУ	STATE OR COUNTRY AND ZIP CODE
	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
2 0 10	RESIDENCE & CITIZENSHIP	СПУ	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	СІТУ	STATE OR COUNTRY AND ZIP CODE
	<u> </u>			

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature of Inventor 201	Signature of Inventor 202
Date:	Date:
Signature of Invertor 203	Signature of Inventor 204
Date: Nov 25, 2003	Date:
Signature of Inventor 205	Signature of Inventor 206
Date:	Date:
Signature of Inventor 207	Signature of Inventor 208
Date:	Date:

BOS2_355342.1